SEQUENCE LISTING

<110> ASTRAZENECA AB

        ANAND, RAKESH

        SMITH, JOHN C

        MORTEN, JOHN E N

<120> DIAGNOSTIC METHOD

<130> LDSG/Z70667

<140>
<141>

<160> 6

<170> PatentIn Ver. 2.1

<210> 1
<211> 3918
<212> DNA
<213> Human

<400> 1

```
aaacagagtg tggtcagggg cagttttggc aataaggagt gtgtgtgcgt gtgtgtatct   60
ctcggggtgc caagtgagac cctatttccc agcactaagg agggtggttc gggtgatcat  120
ctcagagggc tgcattttgg ggtgttggga ggggctggaa ttgaggcagt aactctgggt  180
gcgtcccggc gctgggggta agaccctgag ttcagggatg tggcggcagc aacctggctg  240
tgctgagatg gggacaggat gaaactgagt ggtaagtgac aggattgtat gtcttacggt  300
gtgaggctgt gccagtgtga ccctacttct cagggcagga ggcgagtctt tgtgtcttag  360
gacgtgtgtc acaggtgtca ctcagcccat cttaaaggag ccagtcactg gggagagtcc  420
ccaggtcgcc aggcctcctg gttccctgc ccctttcag cctcctccca ggatatgact  480
cgctgtggcc ctagccgggg cttaagcccc tgtataaata ggcggatccc ctggccaggc  540
tgggcctgac ccaagctggt ctacccgagg ccctgcccac cagcacccac cccgacatcc  600
acgaaggctt tggcagggca gggggggcat tgctggcccc acagaattgg agttagcctc  660
tctagctcca aagccccagg gagggggca gtggcacccc ctgcagctgc cccagcccgc  720
cccagacgac gctcacattt tccagtgttt agattttatc cgctttatta atgaggcaag  780
aggcccgatc ctggggggga aggggctgc tcccgccctg ctggaggag ggggtcacat  840
ggggccagac caactccagg gagcctcact cctcgtggag ggagccgctg ggcccagag  900
tggcccccgc ccattgccag gagcagagag gggggtctct gccactccag gccccagcg  960
ggcgtgcgcg gggtggagcg gccctggag gccagcaagg gcggcgggag gagctgagga  1020
gccgccccag gaagagggag ggaggaagcg gcttgccgga gagccagggc gcagtgggcg  1080
```

```
gcagggctga gcggccggtg atggggaccc cacatcccag gcagtgccgg gtaagcgggt 1140

tgcacatgag ggtccctgat tggggaggag gagggcatga aggggtgggg ccatggccac 1200

ctgctgtccg tcctgtgtcc ccgggctctt ctccctgatc tgtgcgtccc tgtcttaccg 1260

tctgtccatc ctcccttccc atctggcctg gtgggcagtt ccgcccttc agccctcacc 1320

accaggatat caaagagtgg atggtcgtgg ggccgcctcc aggcctctgg ggcagggata 1380

tggagtggaa ccgtgggcac ccagggtgag gcagaggtga tcggggtagg gcctggcgag 1440

agaccgcagt ggagcagggg caggtccatg gggcagggc agagatgggt ccatggcaca 1500

gatgtggctg tgccatgtgg ggtcagagat gggtccatgg gggacaggga catggccgtg 1560

gggagagatg tgcccgtggt ggtagagatg gggctggggc atcgaggatg ggactggagt 1620

aaagctgaca tggggaaagt caggtagggc cacagtggca gaaatgggtg agagctatca 1680

gatggagcca caggccccag gaatttgctg ggtgtaaaaa tggaaggtgg gggtcggagg 1740

cactggcaga gatgcctgag ggcggggctg gggggaatct tgcaggaaac catgaagggc 1800

agagaaaggg ccagtggggt tagagggagg ccctggagca ggagatgggg tggtgagagg 1860

caaaagagag ggagaagggt ttccaaatgg agtggccagg tcatttggag ttgcccatgg 1920

caactgccat gggcagaggg gccgcctgag aacgccatgg agtcaaacag gccctgatgt 1980

tctgagatgg caccgtgggc tggtccccgc ccgggcccag ccagcctcac tctgccctcc 2040

tctcctctat ccagcacccc tggcgcctga catgagccct tgcgggcccc tcaacctgag 2100

cctggcgggc gaggcgacca catgcgcggc gccctgggtc cccaacacgt cggccgtgcc 2160

gccgtcgggc gcttcgcccg cgctgcccat cttctccatg acgctgggcg ccgtgtccaa 2220

cctgctggcg ctggcgctgc tggcgcaggc cgcgggccgc ctgcgacgcc gccgctcggc 2280

cgccaccttc ctgctgttcg tggccagcct gctggccacc gacctggcgg gccacgtgat 2340

cccgggcgcg ctggtgctgc gtctgtacac tgcggggcgc gctccggccg cgggggcctg 2400

ccacttcctg ggcggctgca tggtcttctt cggcctgtgc ccgctgctgc tgggctgtgg 2460

catggccgtg gagcgctgcg tgggcgtcac gcggccgctg ctccacgccg cgcgggtctc 2520

ggtcgcccgc gcgcgcctgg cgctggccgc ggtggccgcg gtggccttgg ccgtggcgct 2580

gctgccgctg cgcgcgcgtgg gccgctatga gctgcagtac ccgggcacgt ggtgcttcat 2640

cggcctgggt cccccgggcg gctggcgcca ggcactgctt gctggcctct cgccagcct 2700

cggcctggtc gcgctcctcg ccgcgctggt gtgcaacacg ctcagcggcc tggccctgct 2760

acgcgccgc tggcgacgcc gctcccgacg gcctcccccg gcctcaggcc ccgacagccg 2820

gcgtcgctgg ggggcgcacg gaccccgctc ggcctccgcc tcgtccgcct cgtccatcgc 2880

ttcggcctcc accttctttg gcggctctcg gagcagcggc tcggcacgca gagctcgcgc 2940

ccacgacgtg gagatggtgg gccagcttgt cggtatcatg gtggtgtcgt gcatctgctg 3000

gagcccaatg ctggtgaggg gcgcaccggc ccctcgagcc acgctccttc ccgctccctc 3060

tcggcaccct cccgcccttt gtcgtcccag gacacctggg gcctccatcc tggactcaac 3120

caaggccccg gcccctagag gccccacctg ccccgaaagc cagcatcgcc ttctccatct 3180

gacctcccat ccttcctcct agcccccctc tcctcttcct ttttggggtc tttgtagcgc 3240

accccgaccc acacaagcct cctctcctgc cccaccgtta taagtcgccg cgcttcattc 3300

cctagtcctt tcacccaacc cccttgcttt tcctctttcc gggacacctg agactcctct 3360

acggccggac ccccacccac tgaaggtgtt tgtttctttg cccccctttt ttttccgcat 3420

ccgtttctca tctggatccc catttaccct ccctgcgacg gctcgcccct cctcccaggc 3480

ttttaccttc cagccacgcc cccaccatcc ctgcgccccc ctgcgcccgc gcctgctcta 3540

tagctcacac cggcttcccc cgcaggtgtt ggtggcgctg gccgtcggcg ctggagctc 3600
```

```
        tacctccctg cagcggccac tgttcctggc cgtgcgcctt gcctcctgga accagatcct 3660

        ggacccttgg gtgtacatcc tactgcgcca ggccgtgctg cgccaactgc ttcgcctctt 3720

        gcccccgagg gccggagcca agggcggccc cgcggggctg ggcctaacac cgagcgcctg 3780

        ggaggccagc tcgctgcgca gctcccggca cagcggcctc agccacttct aagcacaacc 3840

   5    agaggcccaa cgactaagcc agcccaccct gggctgggcc caggtgcgcg gcgcagagcc 3900

        tttgggaact tgggccag                                                 3918




        <210> 2
  10    <211> 22
        <212> DNA
        <213> Artificial Sequence


        <220>
  15    <223> Description of Artificial Sequence: Primer


        <400> 2
        cttcatgccc tcctcctccc ta                                              22


  20
        <210> 3
        <211> 19
        <212> DNA
        <213> Artificial Sequence

  25
        <220>
        <223> Description of Artificial Sequence: Primer


        <400> 3
  30    cctgccccat ggacgggcc                                                 19



        <210> 4
        <211> 26
  35    <212> DNA
        <213> Artificial Sequence


        <220>
        <223> Description of Artificial Sequence: Primer
  40
        <400> 4
        tctgatagct ctcacccatt ttggcc                                         26
```

<210> 5
<211> 24
5   <212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer
10
<400> 5
tccacggcca tgccacagcc ccgc   24

15   <210> 6
<211> 24
<212> DNA
<213> Artificial Sequence

20   <220>
<223> Description of Artificial Sequence: Primer

<400> 6
ggaggcaagg cgcacggcca ggac   24
25